



MVN-2011-3015-CL, PL Midstream LLC

Tamara Mick to: amy.l.oestring@epa.gov

06/27/2012 10:57 AM

Cc: rcdavis, jamie.phillippe, joshua\_Marceaux, kbalkum, Patti\_Holland,  
Seth\_Bordelon

Amy,

The Environmental Protection Agency (EPA) has reviewed the Joint Public Notice (JPN), dated June 11, 2012, concerning Department of the Army Permit Application Number MVN-2011-3015-CL, submitted by PL Midstream LLC. The applicant is proposing to install and maintain a 12-inch brine pipeline approximately 25.85 miles in length requiring clearing, excavating, and backfilling located in Iberville and Ascension Parishes, Louisiana. The proposed project would affect approximately 21.1 acres of jurisdictional forested wetlands. The comments that follow are being provided for use in reaching a decision relative to compliance with the EPA's 404(b)(1) Guidelines for Specification of Disposal Sites for Dredged or Fill Material (40 CFR Part 230).

The majority of the pipeline will be installed by trench and backfill method, however boring and horizontal direction drill (HDD) will be used for jurisdictional water crossings. Of the 21.1 acres of wetland impact, approximately 8.6 acres will be permanently maintained as a 30-foot right-of-way (ROW) and approximately 12.5 acres temporarily impacted with the 60-foot construction ROW.

The jurisdictional wetlands that would be impacted by this project not only provide moderate to good quality habitat for indigenous and migratory avian species as well as a variety of mammals but also perform valuable water quality maintenance functions by removing excess nutrients and pollutants from the water. They also provide floodwater storage. As you are aware, wetland areas such as those proposed to be impacted have experienced a tremendous decline in Louisiana. The 404(b)(1) Guidelines prohibit the discharge of dredged or fill material into waters of the United States, including wetlands, if there is a practicable alternative.

EPA would not be opposed to the issuance of a Department of the Army Permit once the applicant has satisfied the 404(b)(1) Guidelines, however we recommend that for HDD crossings no clearing be performed, measures be incorporated into the project development plans to reduce the flow of nonpoint source pollution into adjacent wetlands, temporary workspaces be located in non-wet areas, and compensatory mitigation, within the project watershed, be provided for the replacement of habitat value and wetland functions that would be lost.

Thanks for the opportunity to review and comment on the JPN. If you have any questions or would like to discuss further, please don't hesitate to call.

Tamara Mick  
US EPA Region 6  
Wetlands Section  
Dallas TX 75202  
214-665-7134

see atchd permit the responsible print a  
regular comp mit, EPA OK 7-06-12

dup neg bulgors, not



# JOINT PUBLIC NOTICE

United States Army  
Corps of Engineers  
New Orleans District  
Regulatory Branch  
Post Office Box 60267  
New Orleans, Louisiana 70160-0267

State of Louisiana  
Department of Environmental Quality  
ATTN: Water Quality Certifications  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

(504) 862-1577  
Project Manager  
Amy Oestinger  
Permit Application Number  
MVN 2011-03015-CL

(225) 219-3225  
Project Manager  
Jaime Phillippe  
WQC Application Number  
120606-01

JUN 11 2012

*Jul 2*

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to:  
[X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

## 12-INCH BRINE PIPELINE IN IBERVILLE AND ASCENSION PARISHES

**NAME OF APPLICANT:** PL Midstream, LLC, % Morris P. Hebert, Inc., Attn: William Cagle, Post Office Box 3106, Houma, Louisiana 70361.

**LOCATION OF WORK:** The project will begin at the existing Bayou Choctaw Terminal, in Iberville Parish and terminate at the existing Westlake Chemical Facility, in Geismar, Louisiana, Ascension Parish, as shown on the enclosed drawings. The pipeline will cross the Mississippi River at a point approximately 196 miles above Head of Passes, at Bayou Goula, Louisiana.

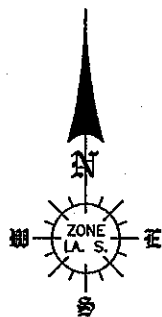
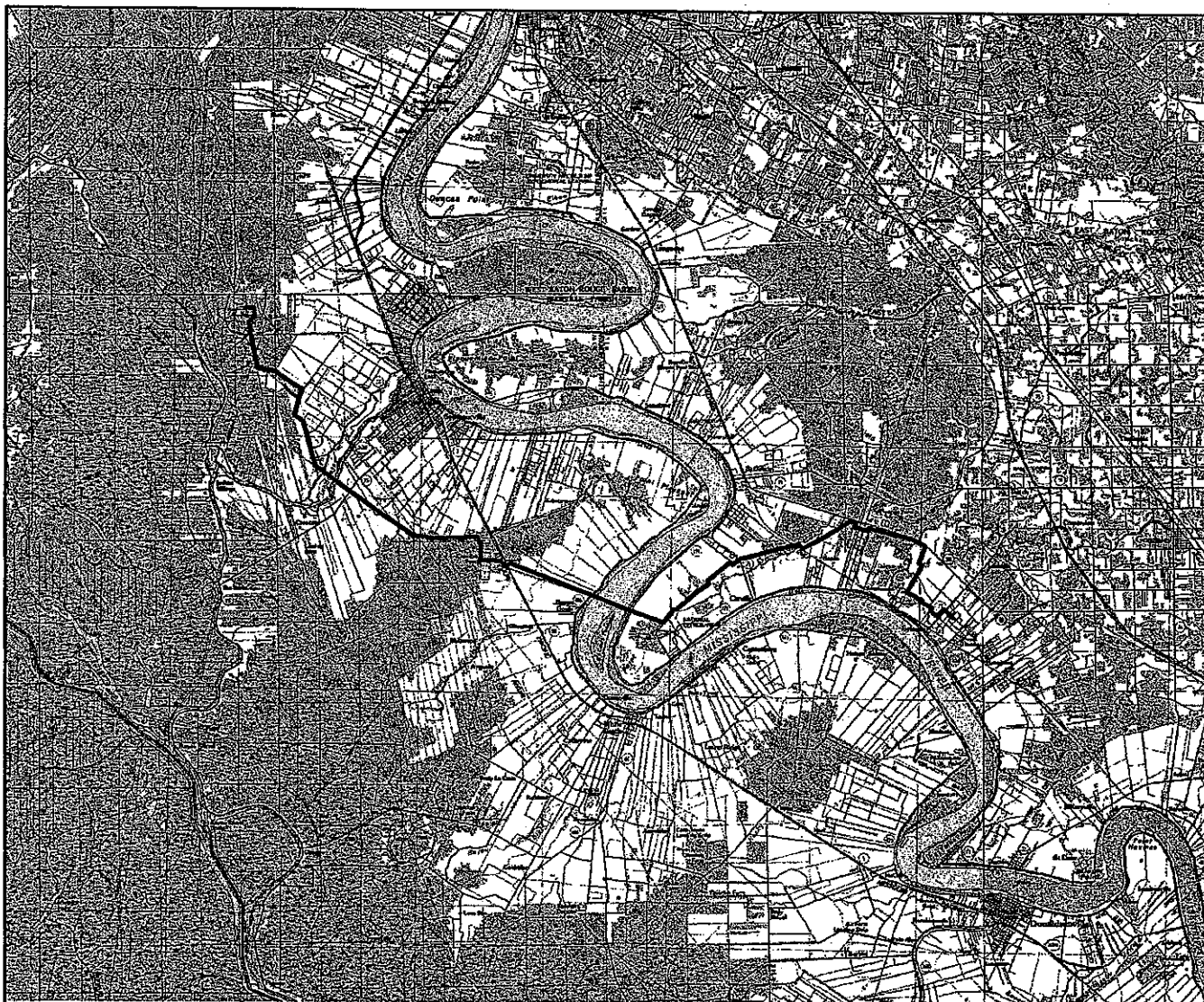
**CHARACTER OF WORK:** To install and maintain one 12-inch brine pipeline, approximately 25.84 miles in length, requiring the clearing, excavating and backfilling of 21.1 acres of forested jurisdictional wetlands. Approximately 8.6 acres of this impact will be permanently maintained for a 30-foot wide right of way, resulting in a conversion of bottomland hardwood habitat to herbaceous wetlands. Of the 21.1 acres, 12.5 acres of impact are temporary for a 60-foot wide construction right of way. Additionally, 21 acres of herbaceous wetlands will be temporarily impacted during right of way construction. This area and the converted herbaceous wetlands will be restored to pre-construction contours and allowed to re-vegetate naturally upon project completion. Most of the line will be installed by trench and backfill method, however boring and horizontal directional drill will be used for jurisdictional water crossings as shown on the drawings. The pipeline will be horizontally directionally drilled beneath the Mississippi River. The applicant proposed to purchase compensatory mitigation credits for unavoidable wetland impacts at an approved mitigation bank within the watersheds of impact.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Individuals or parties may request an extension of time in which to comment on the proposed work by writing to the project manager or clicking on the project manager's name on the public notice grid on the web page. Any request must be specific

*Sw - will temp work page be located in manual*



W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0001A2.dwg PLOT DATE: 4/27/12 2:51:24pm



## VICINITY MAP

GRAPHIC SCALE



SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (865) 879-2731  
16101 SWIFTWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 216-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 4 MILES

# PL MIDSTREAM LLC

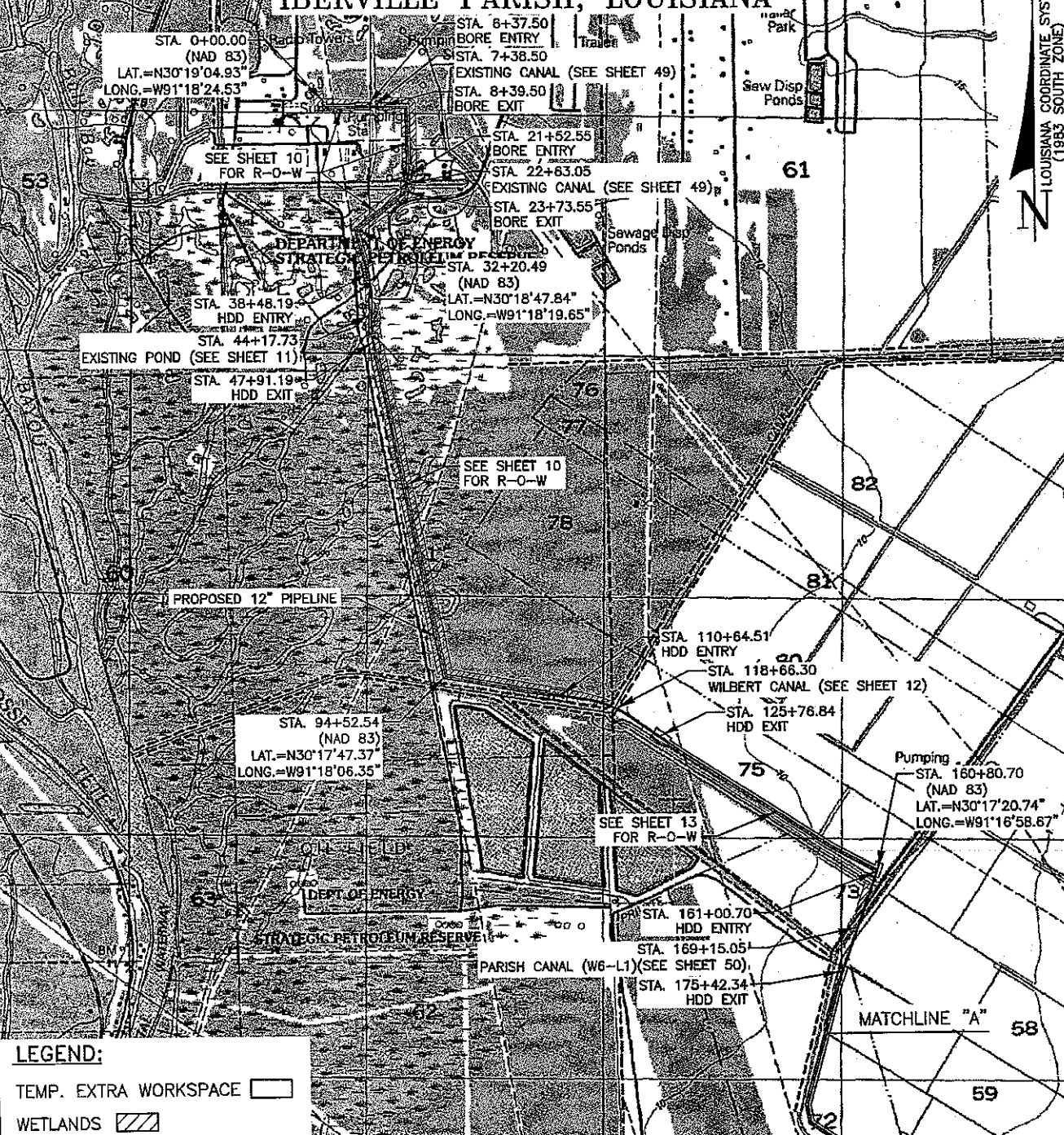
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE  
IBERVILLE & ASCENSION PARISHES, LOUISIANA

DWG. NO: 10819-06COE0001A2 SHEET 1 OF 56



# IBERVILLE PARISH, LOUISIANA

LOUISIANA COORDINATE SYSTEM  
(1983 SOUTH ZONE)



## LEGEND:

TEMP. EXTRA WORKSPACE

WETLANDS

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

## GRAPHIC SCALE

0 1000' 2000' 4000'

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3104 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70331 • (850) 678-2731  
10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 2000'

# PL MIDSTREAM LLC

PLAN NO. 1  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

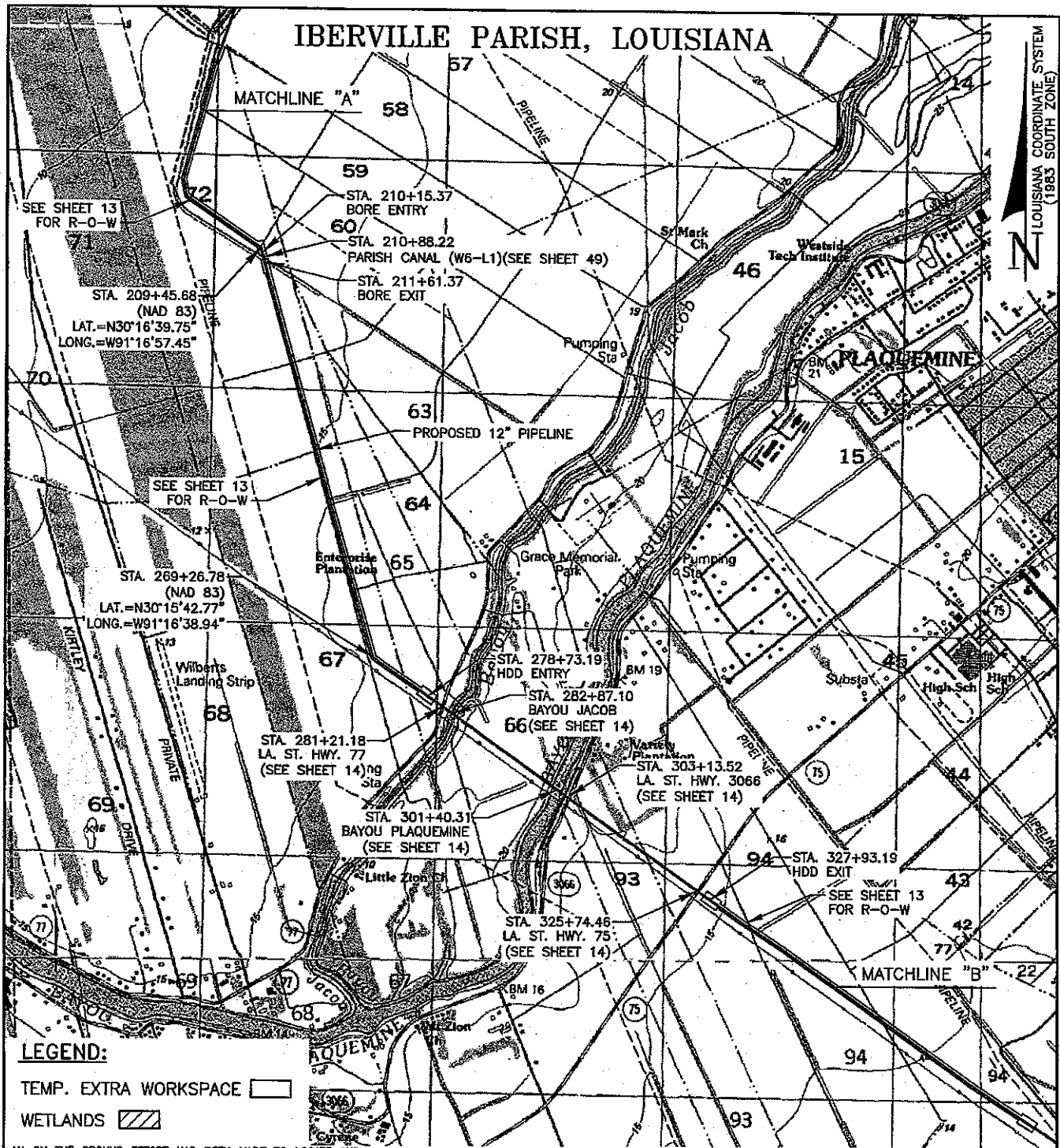
DWG. NO: 10819-06COE0002A2 SHEET 2 OF 56

2

w:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:27:58am

# IBERVILLE PARISH, LOUISIANA

LOUISIANA COORDINATE SYSTEM  
(1983 SOUTH ZONE)



AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3106 • 283 CORPORATE DRIVE • HONOLA, LOUISIANA 70361 • (504) 679-2751  
10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77024 • (713) 219-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 2000'

## PL MIDSTREAM LLC

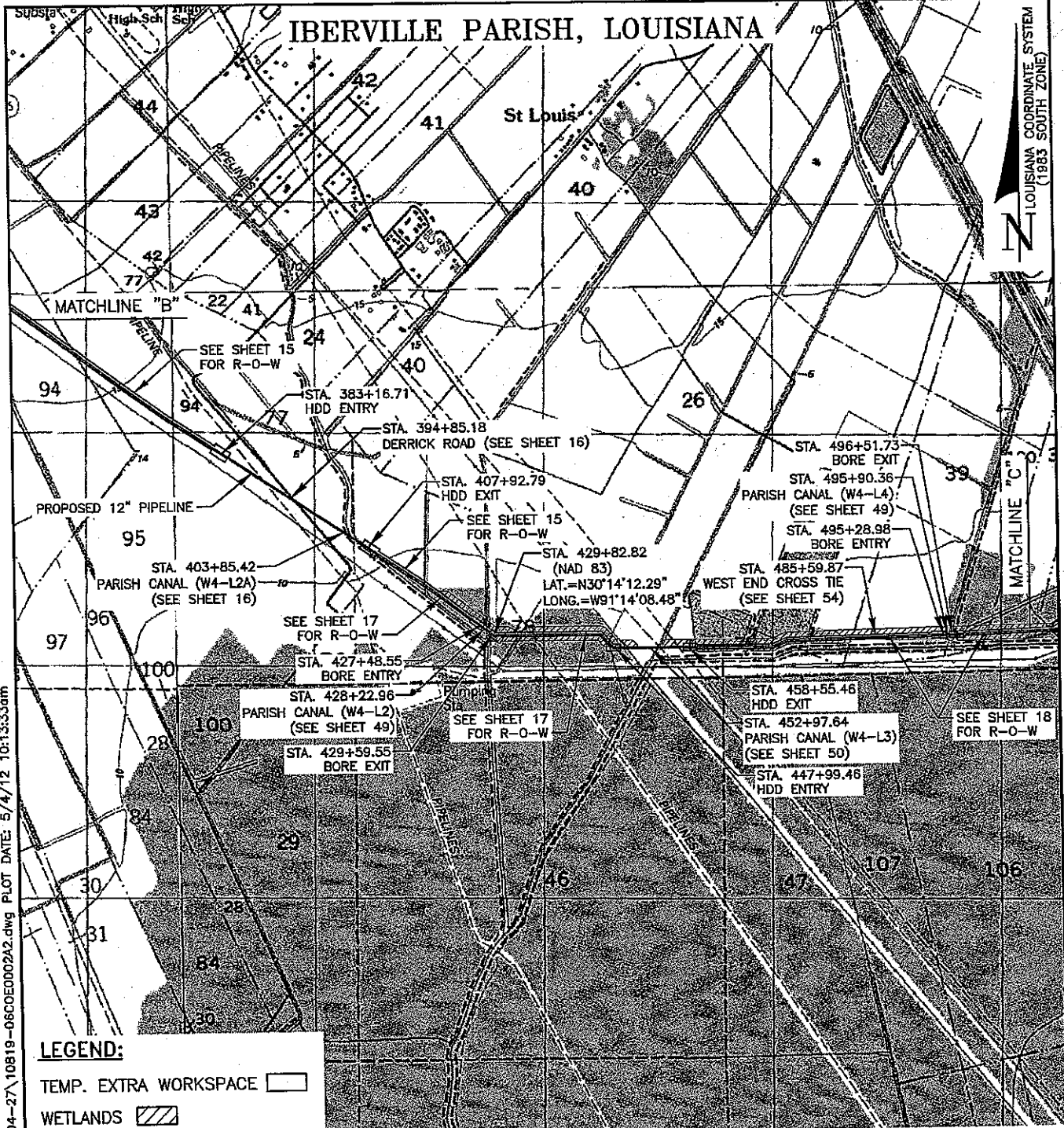
PLAN NO. 2  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

DWG. NO: 10819-06COE0002A2 SHEET 3 OF 56

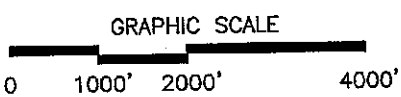


W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:11:38am





AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.



NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 2000'

**PL MIDSTREAM LLC**

PLAN NO. 3  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

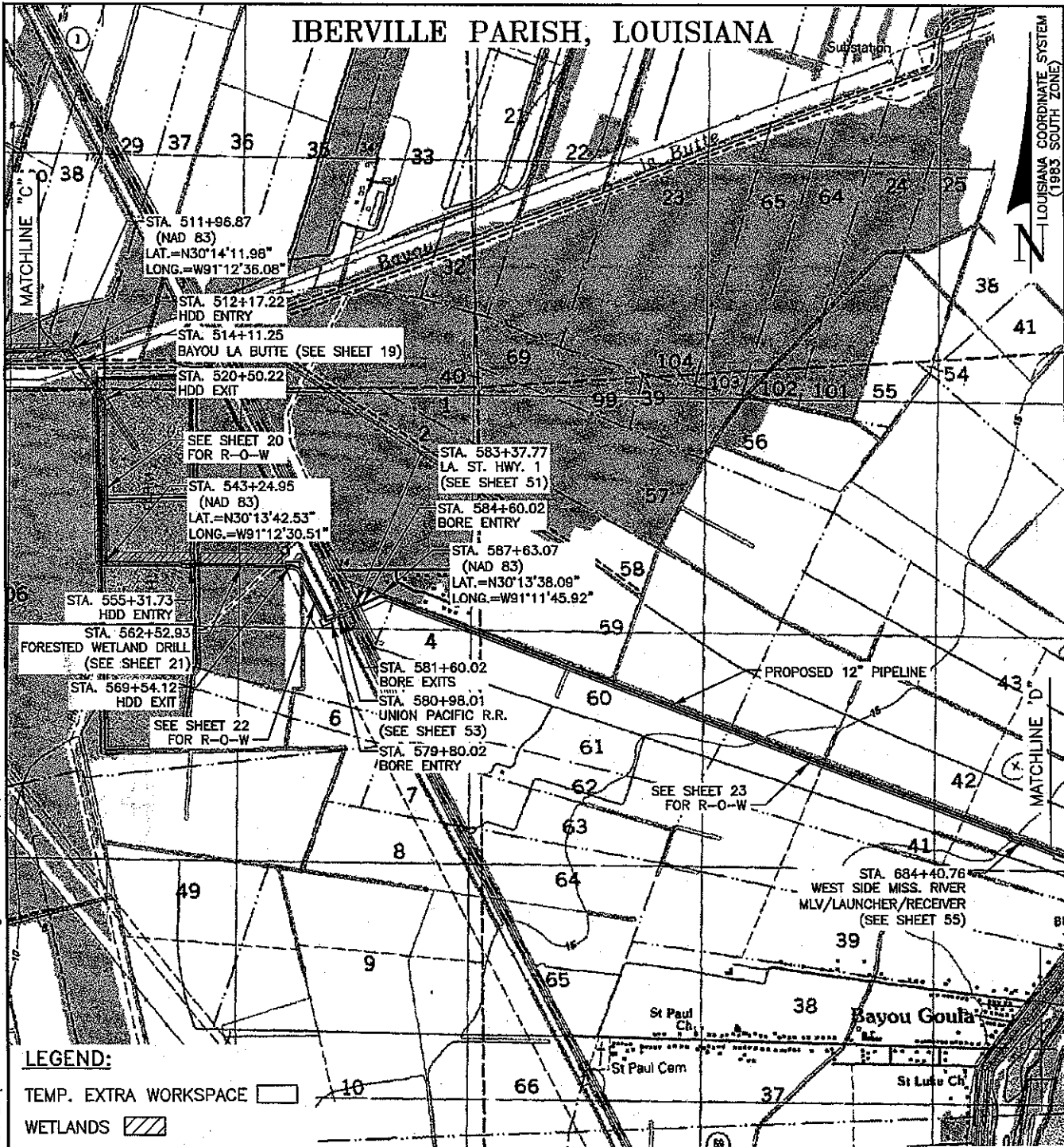
DWG. NO: 10819-06COE0002A2 SHEET 4 of 56

W:\dwg\10819-01\Permit\COE 2012-04-27\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:13:33am



# IBERVILLE PARISH, LOUISIANA

LOUISIANA COORDINATE SYSTEM  
(1983 SOUTH ZONE)



## LEGEND:

TEMP. EXTRA WORKSPACE

WETLANDS

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

GRAPHIC SCALE

0 1000' 2000' 4000'

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3108 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (850) 670-2731  
10161 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77034 • (813) 219-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

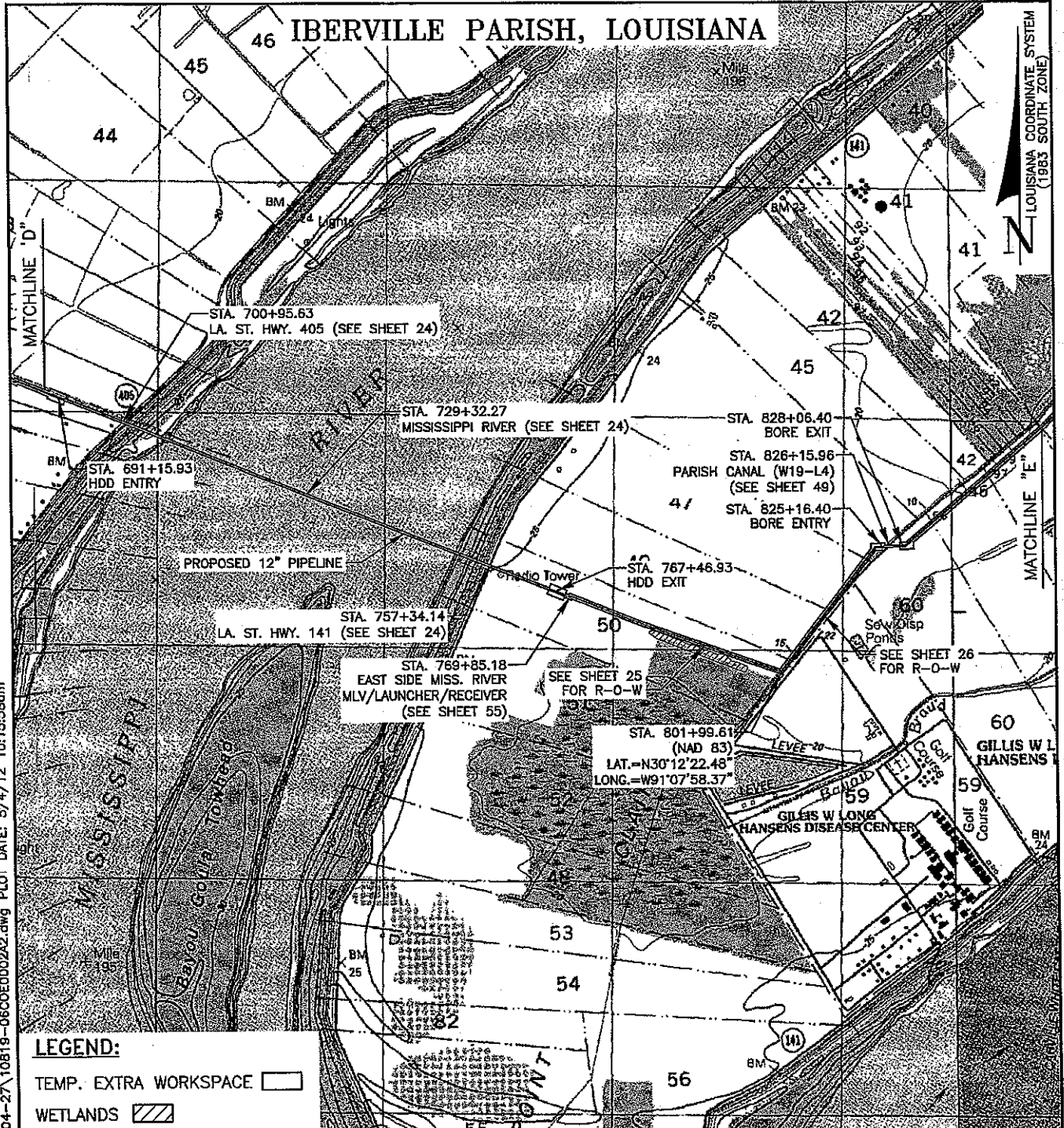
SCALE: 1" = 2000'

# PL MIDSTREAM LLC

PLAN NO. 4  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

DWG. NO: 10819-06COE0002A2 SHEET 5 of 56

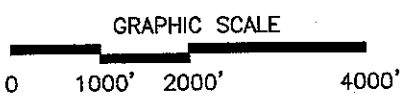




**LEGEND:**

- TEMP. EXTRA WORKSPACE
- WETLANDS

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.



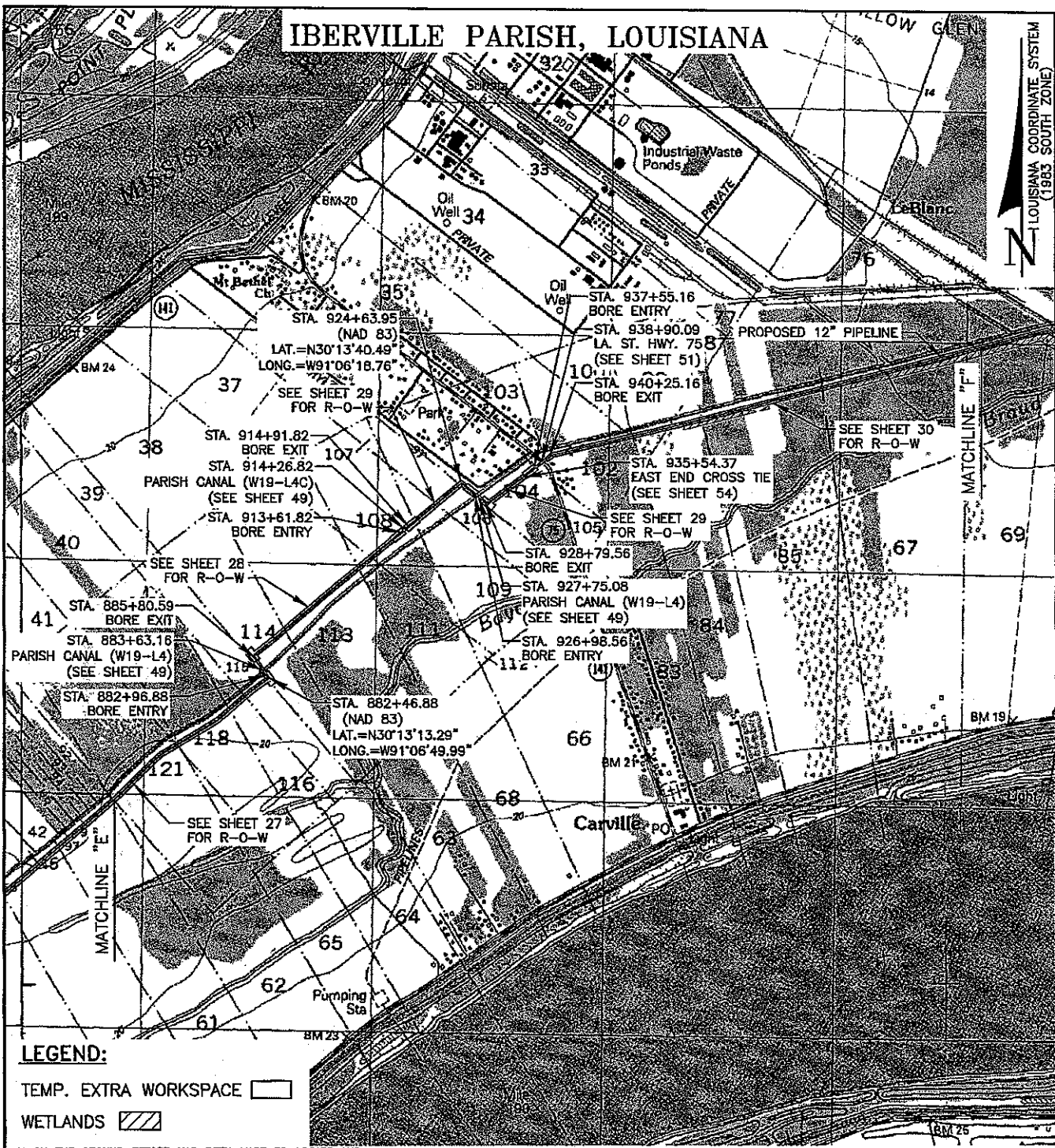
NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.

W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:15:58am

 <b>Morris P. Hebert, Inc.</b> <small>SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS</small> <small>P.O. BOX 3106 • 263 CORPORATE DRIVE • HOUMA, LOUISIANA 70301 • (850) 679-2721</small> <small>10101 SOUTHWEST FREEDWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470</small>	DRAWN BY: KDT	<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">PL MIDSTREAM LLC</div> <div style="margin-bottom: 10px;">PLAN NO. 5</div> <div style="margin-bottom: 10px;">PROPOSED 12" PIPELINE</div> <div style="margin-bottom: 10px;">CHOCTAW TO WESTLAKE BRINE</div> <div style="display: flex; justify-content: space-between;"> <span>DWG. NO: 10819-06COE0002A2</span> <span>SHEET 6 OF 56</span> </div>
	CHECKED BY: MKC	
	APPROVED BY: GML	
	SCALE: 1" = 2000'	

# IBERVILLE PARISH, LOUISIANA

LOUISIANA COORDINATE SYSTEM  
(1983 SOUTH ZONE)



## LEGEND:

- TEMP. EXTRA WORKSPACE
- WETLANDS

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

## GRAPHIC SCALE



NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.

**mph**  
Morris P. Hebert, Inc.  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 5108 • 285 CORPORATE DRIVE • HOUMA, LOUISIANA 70301 • (855) 878-2731  
10101 SOURMIST FREEDOM • SUITE 400 • HOUSTON, TEXAS 77024 • (713) 219-1470

DRAWN BY: KDT
DATE: 4-27-12
CHECKED BY: MKC
DATE: 4-27-12
APPROVED BY: GML
DATE: 4-27-12
SCALE: 1" = 2000'

## PL MIDSTREAM LLC

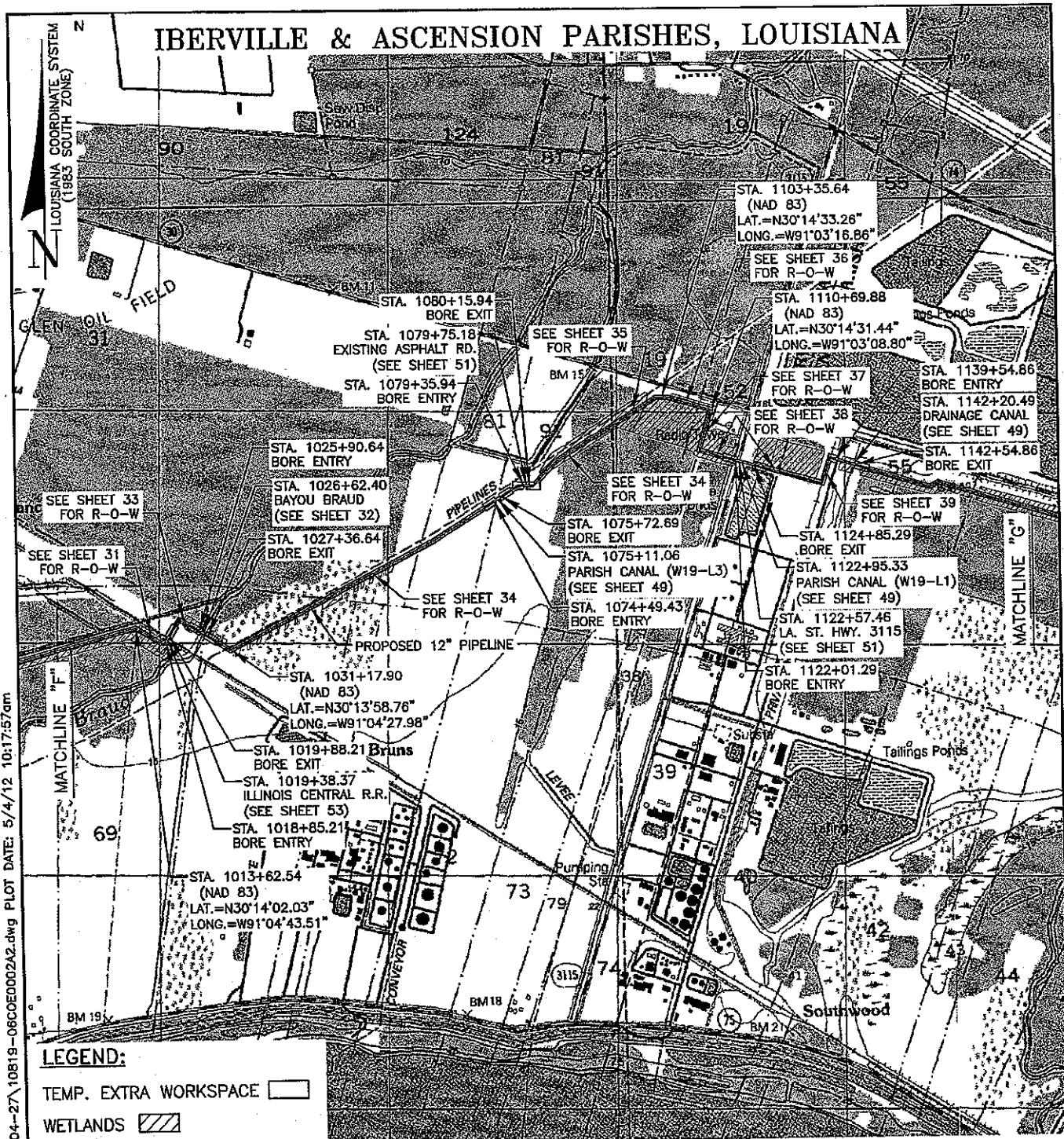
PLAN NO. 6  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

DWG. NO: 10819-06COE0002A2 SHEET 7 OF 56

W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:16:58am



# IBERVILLE & ASCENSION PARISHES, LOUISIANA



AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (850) 679-2731  
10101 SOUTHWEST FREEDWAY • SUITE 400 • HOUSTON, TEXAS 77024 • (713) 210-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 2000'

## PL MIDSTREAM LLC

PLAN NO. 7  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

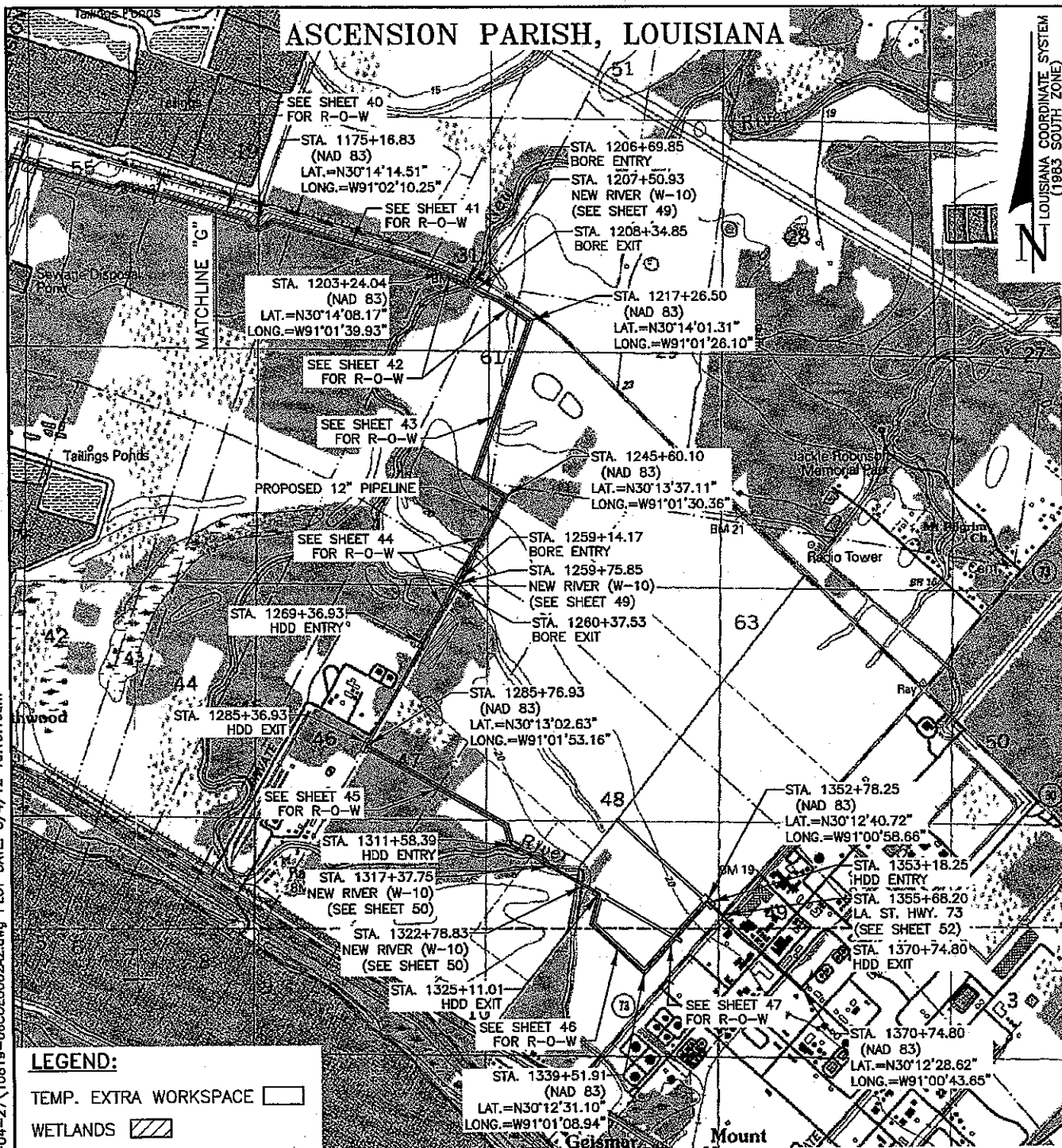
DWG. NO: 10819-06COE0002A2 SHEET 8 OF 56



W:\dwg\10819-01\Permit\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:17:57am

# ASCENSION PARISH, LOUISIANA

LOUISIANA COORDINATE SYSTEM  
(1983 SOUTH ZONE)



## LEGEND:

- TEMP. EXTRA WORKSPACE
- WETLANDS

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

## GRAPHIC SCALE

0 1000' 2000' 4000'

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3108 • 253 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (850) 879-2721  
15151 SOUTHWEST FREEMAN • SUITE 400 • HOUSTON, TEXAS 77074 • (281) 219-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 2000'

# PL MIDSTREAM LLC

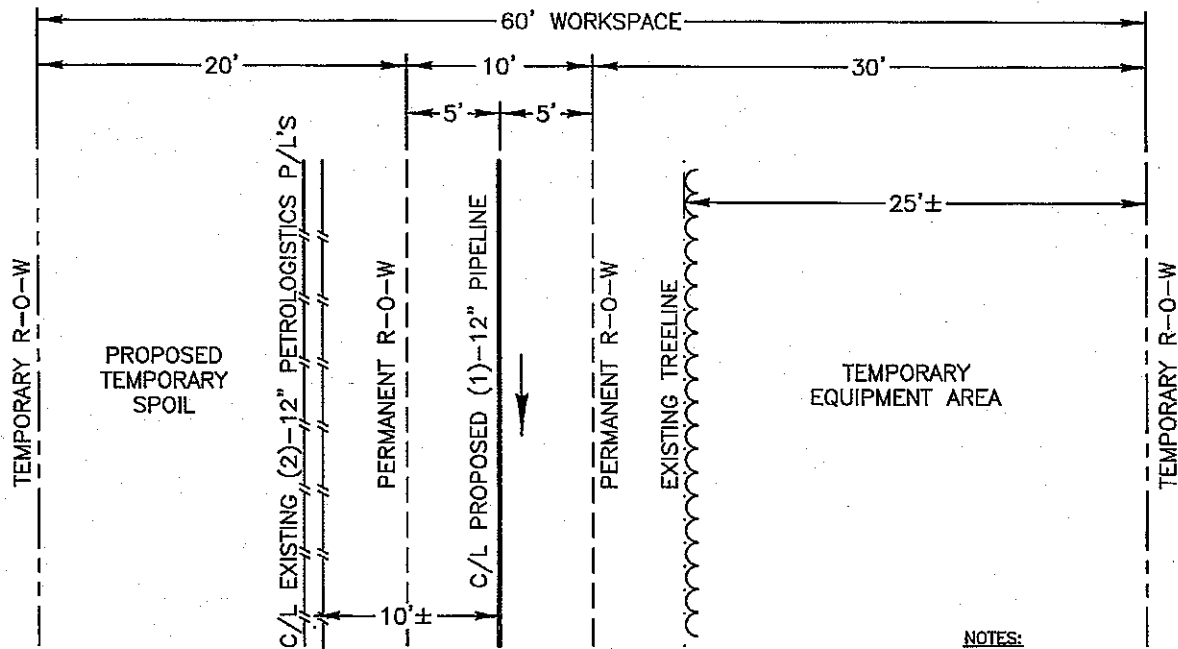
PLAN NO. 8  
PROPOSED 12" PIPELINE  
CHOCTAW TO WESTLAKE BRINE

DWG. NO: 10819-06COE0002A2 SHEET 9 OF 56



W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0002A2.dwg PLOT DATE: 5/4/12 10:18:16am

W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0003A2.dwg PLOT DATE: 5/1/12 9:14:36am

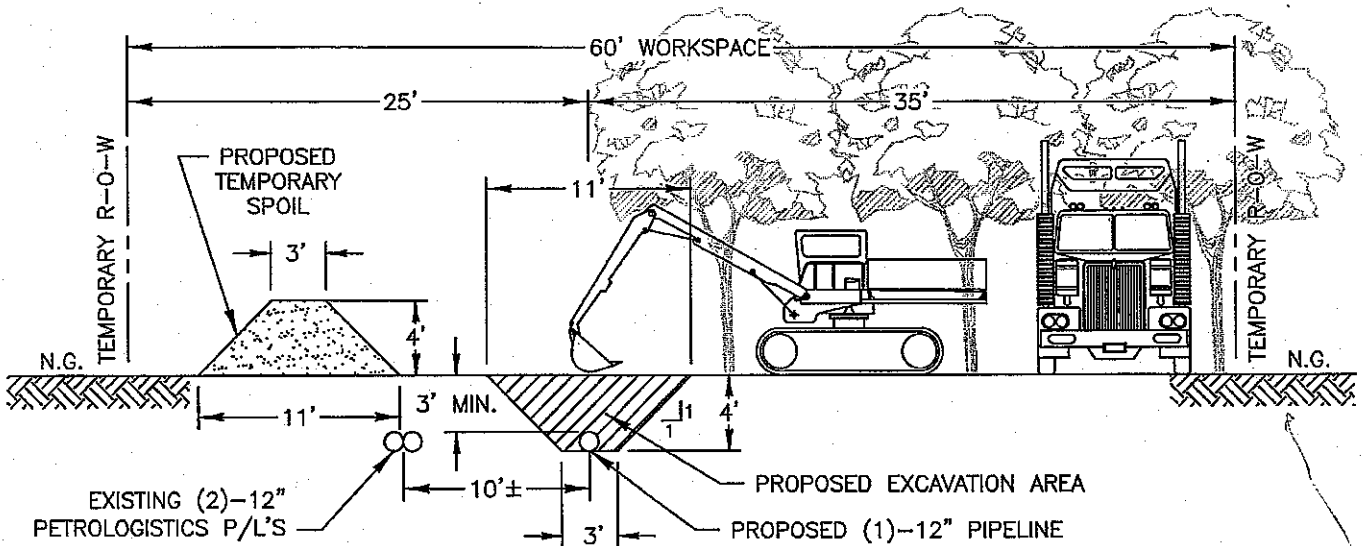


### RIGHT-OF-WAY DETAIL

STA. 0+00 TO STA. 6+37.50  
 STA. 8+39.50 TO STA. 21+52.55  
 STA. 23+73.55 TO STA. 38+48.19  
 STA. 47+91.19 TO STA. 110+64.51

### NOTES:

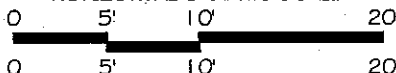
1. APPROXIMATELY 3.55 ACRES OF FORESTED WETLANDS TO BE IMPACTED IN THIS AREA.
2. APPROXIMATELY 9.09 ACRES OF HERBACEOUS WETLANDS TO BE IMPACTED IN THIS AREA.



### DITCH DETAIL

STA. 0+00 TO STA. 6+37.50  
 STA. 8+39.50 TO STA. 21+52.55  
 STA. 23+73.55 TO STA. 38+48.19  
 STA. 47+91.19 TO STA. 110+64.51

HORIZONTAL GRAPHIC SCALE



VERTICAL GRAPHIC SCALE

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HERBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Herbert, Inc.**  
 SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
 P.O. BOX 3108 • 283 CORPORATE DRIVE • HOLMA, LOUISIANA 70361 • (885) 876-2731  
 10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: KDT  
 DATE: 4-27-12

CHECKED BY: MKC  
 DATE: 4-27-12

APPROVED BY: GML  
 DATE: 4-27-12

SCALE: 1" = 10'

# PL MIDSTREAM LLC

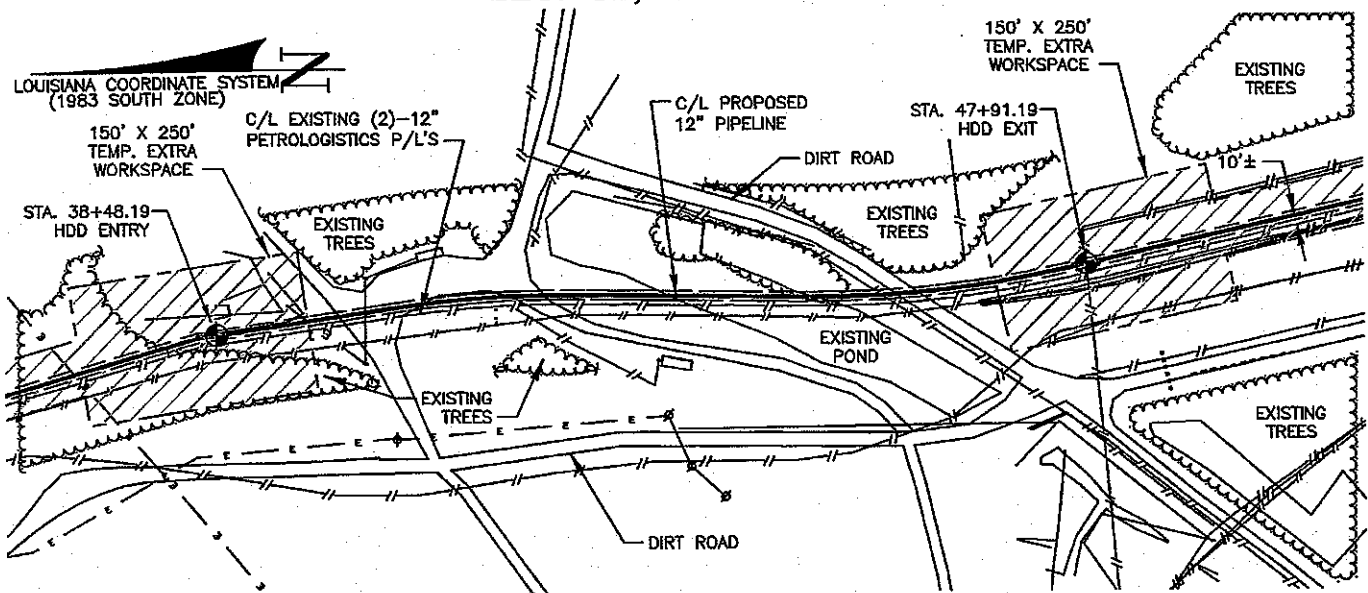
RIGHT-OF-WAY & DITCH DETAILS  
 STA. 0+00 TO STA. 110+64.51  
 IBERVILLE PARISH, LOUISIANA

DWG. NO: 10819-06COE0003A2 SHEET 10 OF 56





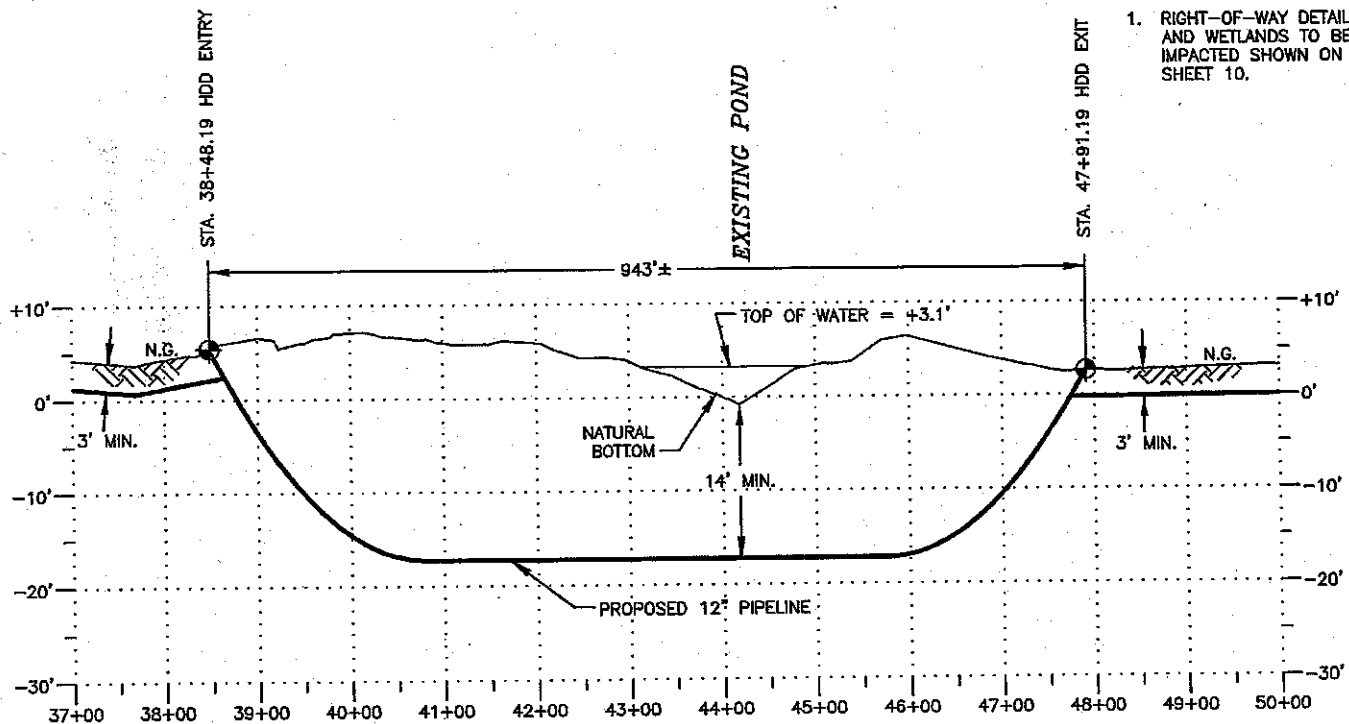
# IBERVILLE PARISH, LOUISIANA SEC. 52, T09S-R11E



**PLAN**

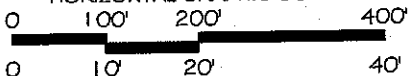
**NOTE:**

1. RIGHT-OF-WAY DETAIL AND WETLANDS TO BE IMPACTED SHOWN ON SHEET 10.



**PROFILE**

HORIZONTAL GRAPHIC SCALE



VERTICAL GRAPHIC SCALE

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NOTE: THIS PLAN WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3108 • 283 CORPORATE DRIVE • HONOLA, LOUISIANA 70361 • (504) 879-2751  
10101 SOUTHWEST FREEDWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 210-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 200'

**PL MIDSTREAM LLC**

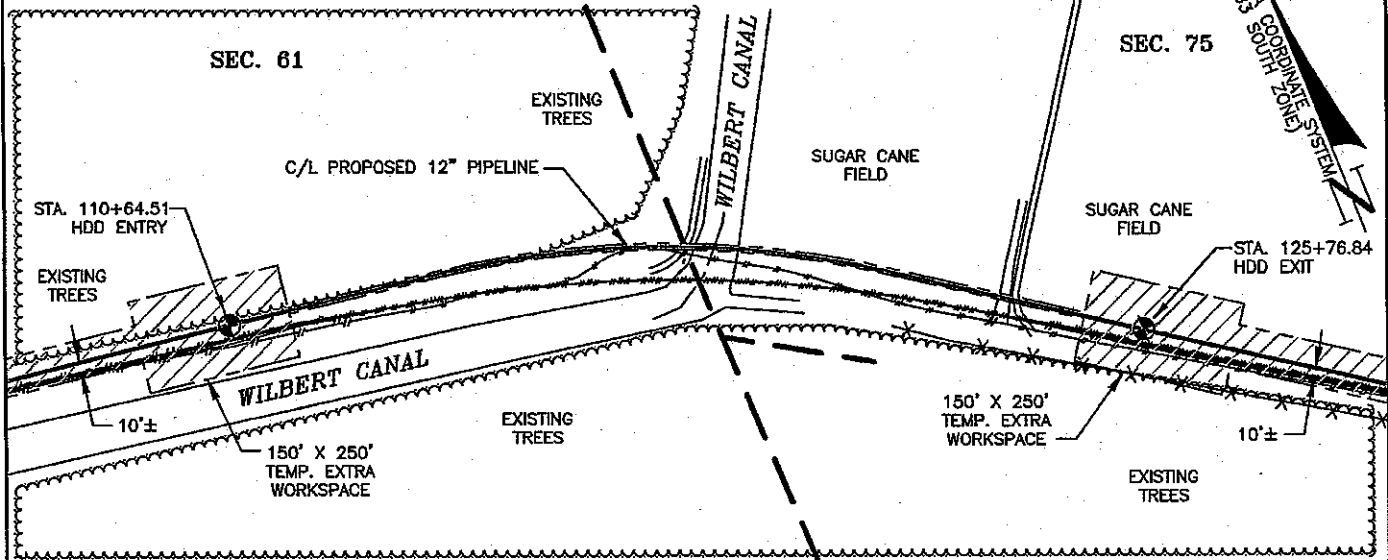
EXISTING POND AT STA. 44+17.73  
SEC. 52, T09S-R11E  
IBERVILLE PARISH, LOUISIANA

DWG. NO: 10819-06COE0004A2

SHEET 11 OF 56



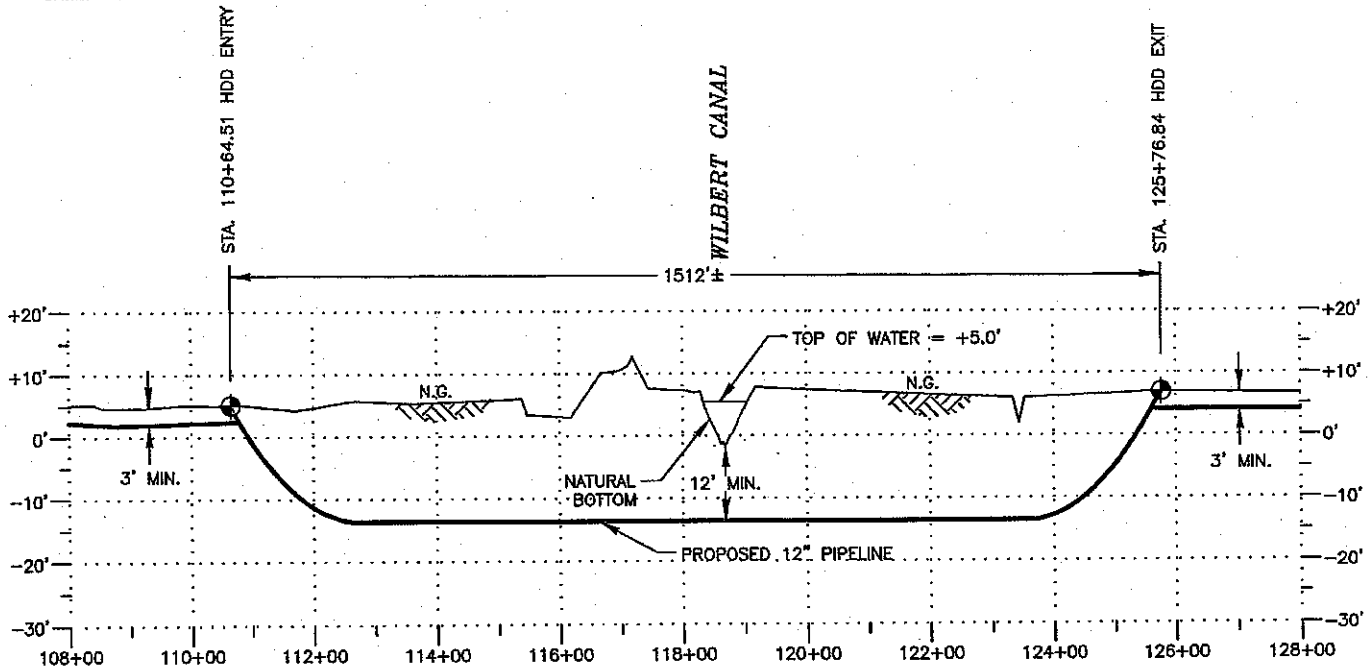
# IBERVILLE PARISH, LOUISIANA SEC. 61, T09S-R11E & SEC. 75, T09S-R12E



NOTE:

1. RIGHT-OF-WAY DETAIL AND WETLANDS TO BE IMPACTED SHOWN ON SHEETS 10 & 13.

**PLAN**



**PROFILE**

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

HORIZONTAL GRAPHIC SCALE

0 150' 300' 600'

0 15' 30' 60'

VERTICAL GRAPHIC SCALE

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (504) 879-2731  
10101 SOUTHWEST FREEMAN • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 218-1470

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 300'

**PL MIDSTREAM LLC**

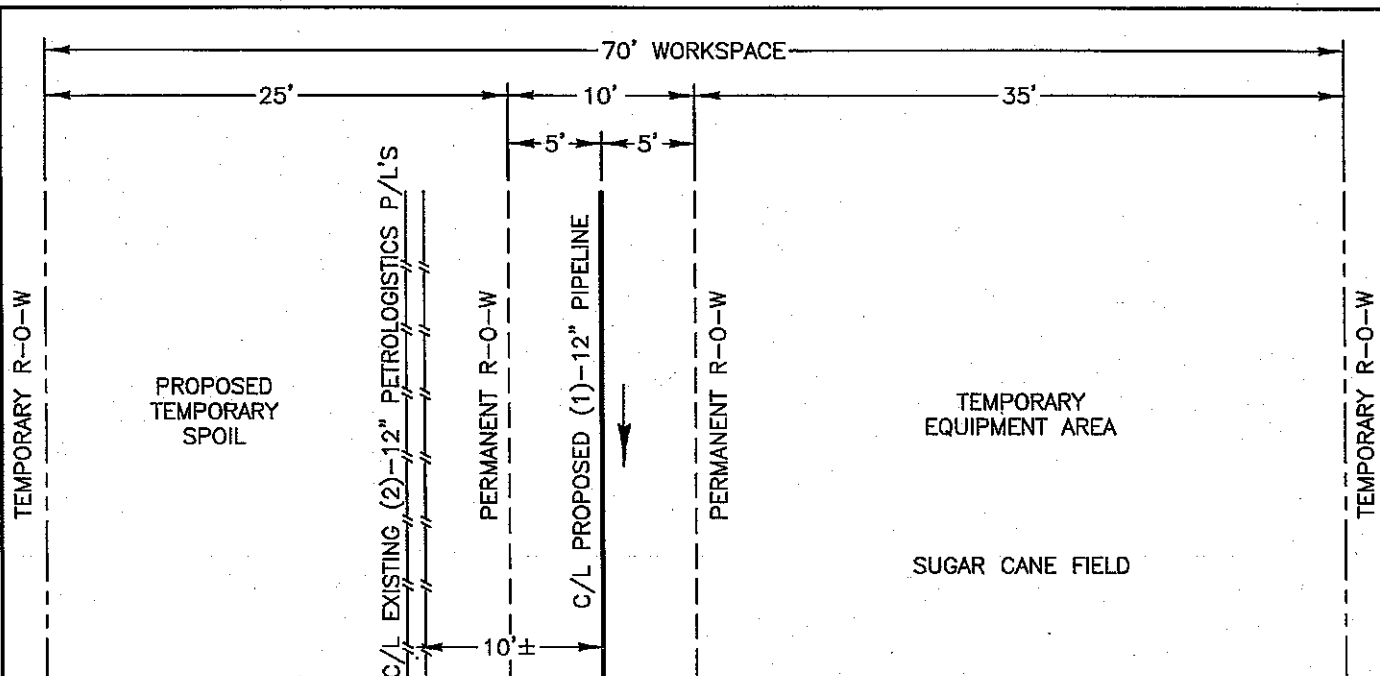
WILBERT CANAL AT STA. 118+66.30  
SEC. 61, T09S-R11E & SEC. 75, T09S-R12E  
IBERVILLE PARISH, LOUISIANA

DWG. NO: 10819-06COE0005A2

SHEET 12 OF 56

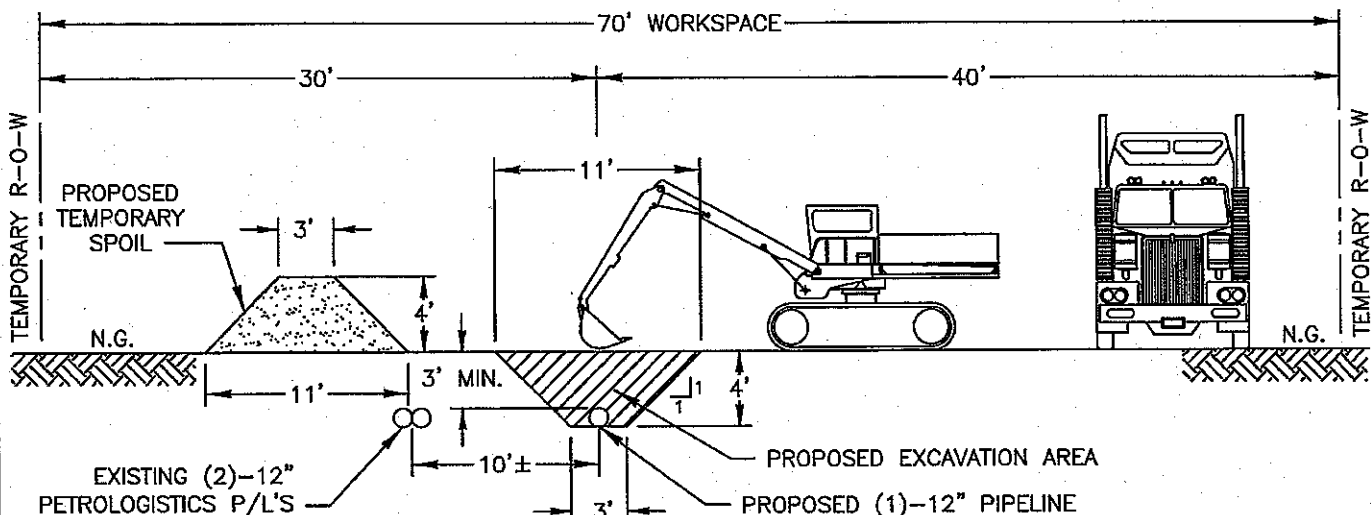
2

W:\dwg\10819-01\Permits\COE 2012-04-27\10819-06COE0006A2.dwg PLOT DATE: 4/28/12 9:34:33am



### RIGHT-OF-WAY DETAIL

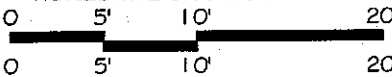
STA. 125+76.84 TO STA. 161+00.70  
 STA. 175+42.31 TO STA. 210+15.37  
 STA. 211+61.37 TO STA. 278+73.19  
 STA. 327+93.19 TO STA. 336+81.39



### DITCH DETAIL

STA. 125+76.84 TO STA. 161+00.70  
 STA. 175+42.31 TO STA. 210+15.37  
 STA. 211+61.37 TO STA. 278+73.19  
 STA. 327+93.19 TO STA. 336+81.39

HORIZONTAL GRAPHIC SCALE



VERTICAL GRAPHIC SCALE

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.



**Morris P. Hebert, Inc.**

SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
 P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (885) 878-2731  
 10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 210-1470

DRAWN BY: KDT  
 DATE: 4-27-12

CHECKED BY: MKC  
 DATE: 4-27-12

APPROVED BY: GML  
 DATE: 4-27-12

SCALE: 1" = 10'

# PL MIDSTREAM LLC

RIGHT-OF-WAY & DITCH DETAILS  
 STA. 125+76.84 TO STA. 336+81.39  
 IBERVILLE PARISH, LOUISIANA

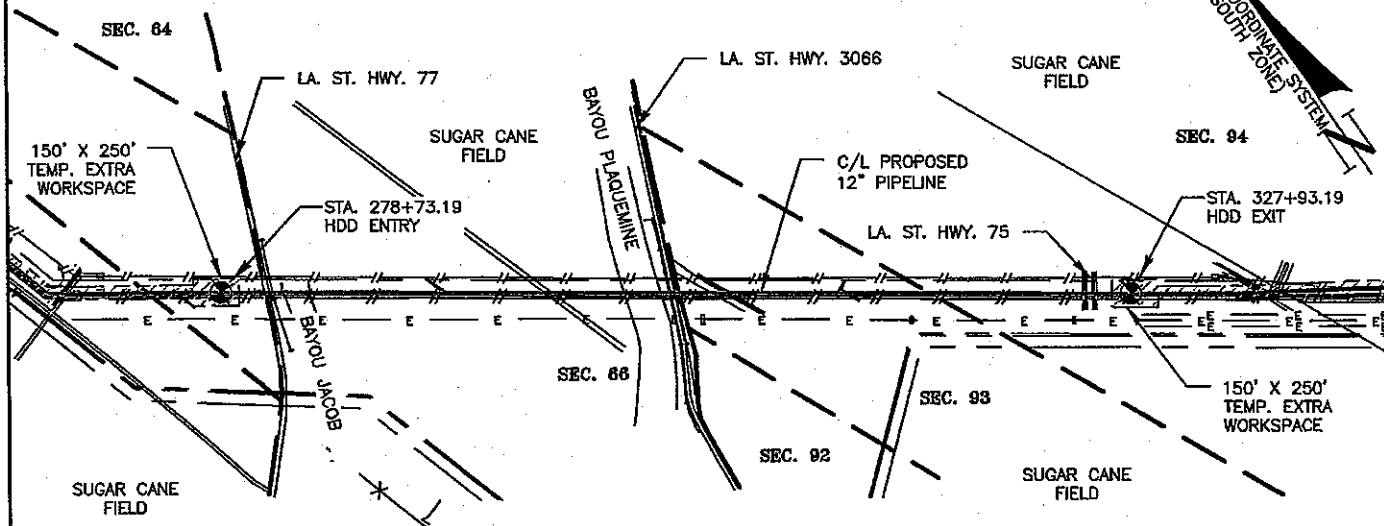
DWG. NO: 10819-06COE0006A2

SHEET 13 OF 56



# IBERVILLE PARISH, LOUISIANA SECS. 65, 66 & 93, T09S-R12E

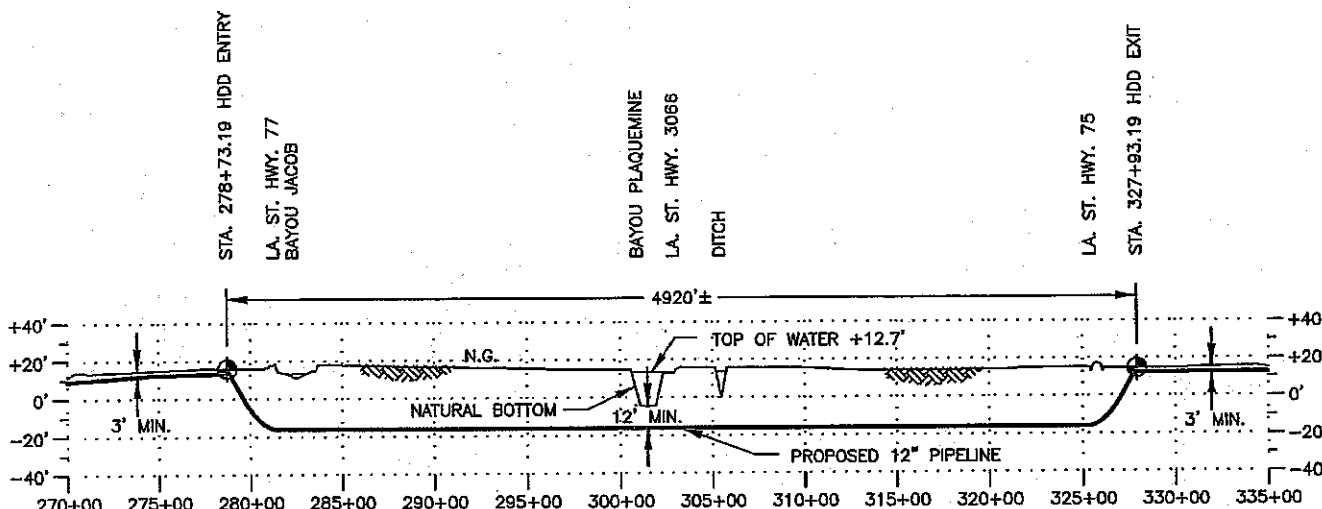
LOUISIANA COORDINATE SYSTEM  
(1983 SOUTH ZONE)



## NOTE:

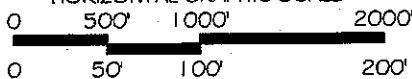
1. RIGHT-OF-WAY DETAIL AND WETLANDS TO BE IMPACTED SHOWN ON SHEET 13.

## PLAN



## PROFILE

HORIZONTAL GRAPHIC SCALE



VERTICAL GRAPHIC SCALE



AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.



Morris P. Hebert, Inc.

SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 5106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (855) 578-2731  
10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1478

DRAWN BY: KDT  
DATE: 4-27-12

CHECKED BY: MKC  
DATE: 4-27-12

APPROVED BY: GML  
DATE: 4-27-12

SCALE: 1" = 1000'

# PL MIDSTREAM LLC

BAYOU PLAQUEMINE AT STA. 301+40.31  
SECS. 65, 66 & 93, T09S-R12E  
IBERVILLE PARISH, LOUISIANA

DWG. NO: 10819-06COE0007A2

SHEET 14 OF 56

